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**Section II. Remarks**

In the October 3, 2007 Office Action, the Examiner has required restriction under the provisions of 35 U.S.C. 121 between:

Group I:       Species A: HPV L1 and HPV L2; or  
                  Species B: HPV E6 and HPV E7  
                  (claims 2 and 3)

In response, Applicant hereby elects Species B: HPV E6 and HPV E7.

In such October 3, 2007 Office Action, the Examiner also has required restriction under the provisions of 35 U.S.C. 121 between:

Group II:       Species A: gram negative microbe; or  
                  Species B: gram positive microbe  
                  (claims 6, 8, 16, 19-23)

In response, Applicant hereby elects Species B: gram positive microbe.

The examiner in such October 3, 2007 Office Action also has required election of a single species of a gram positive microbe or a gram negative microbe from among the species set out below:

Gram negative microbe:

Species A: Escherichia coli  
Species B: Salmonella typhi  
Species C: Salmonella typhimurium  
Species D: Mycobacterium bovis, or  
Species E: Shingella

Gram positive microbe:

Species A: Bacillus

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Species B: Lactobacillus

Species C: Lactococcus

Species D: Staphylococcus

Species E: Listeria Monocytogenes, or

Species F: Streptococcus

(claims 6, 8, 16, 19-23)

In response, Applicant hereby elects Species B: Lactobacillus.

The examiner in the October 3, 2007 Office Action further has required applicant to elect a single vector species from among:

Group III:      Species A: pHCE2LB: pgsA-HPV L1 or  
                    Species B: pHCE2LB: pgsBCA- HPV E7  
                    (claims 13, 14, 15-23)

In response, Applicant hereby elects Species B: pHCE2LB: pgsBCA- HPV E7.

The examiner in addition to the foregoing has required in the October 3, 2007 Office Action that applicant elect a single E.coli transformant species from among the following:

Group IV:      Species A: KCTC 10349 BP or  
                    Species B: KCTC 10520 BP  
                    (claims 13 and 14)

In response, Applicant hereby elects Species B: KCTC 10520 BP.

The Applicant has been further required in the October 3, 2007 Office Action to identify the claims readable on the elected species.

The claims readable on Group I, species B are claims 1, 3-4, 7-12, 14-16 and 18-23.

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The claims readable on Group II, species B are claims 1, 3-4, 7-12, 14-16 and 18-23.

The claims readable on Group III, species B are claims 1, 3-4, 7-12, 14-16 and 18-23.

The claims readable on Group IV, species B are claims 1, 3-4, 7-12, 14-16 and 18-23.

In further response to the unity of inventive concept and species election requirements imposed on Applicants, a further divisional application is being filed by Applicants directed to the Species A subject matter of each of the specified Groups I-IV. Correspondingly, the Species A subject matter has been cancelled from the claims, by amendment herein.

It therefore is requested that examination of this application proceed, consistent with the foregoing election of species and identification of claims readable thereon, and the amendment of claims herein.

If any matters remain outstanding, in connection with the examiner's examination of the elected species claims, the examiner is requested to contact the undersigned attorney at (919) 419-9350 to discuss such issues, in the interest of expedited prosecution of this application.

Respectfully submitted,



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Enclosures:  
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